

### ABSTRACT

The present invention provides a fuel injection device comprising an intake pipe having interior wall surfaces for providing air from an upstream side to a downstream side and a fuel injection port disposed in the intake pipe between the surfaces for providing fuel into the intake pipe and an air guide member disposed in the intake pipe in a plane substantially parallel to the surfaces for guiding air separately towards an air flow layer passage and a main air passage wherein the air guided towards the air flow layer passage has a speed at least greater than the air guided towards the main air passage.